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(54) COMPOSITION FOR TREATING PERIODONTOSIS

(57) Abstract:

PURPOSE: The titled composition, obtained by further blending a minocycline-Mg compound-polyhydric alcohol system with a water-soluble high polymer, specific methacrylic acid based copolymer and a solubilizing agent, having good residence property in an administration part and capable of exhibiting lasting effect.

CONSTITUTION: A composition for treating periodontosis obtained by blending preferably 0.1W5wt% minocycline or a salt thereof which is an active ingredient with 0.5W10wt% Mg compound, e.g. magnesium chloride, a polyhydric alcohol, e.g. glycerol, 0.2W10wt% water-soluble high polymer, e.g. hydroxyethyl cellulose, 0.5W10wt% ethyl methacrylate-chlorotrimethylammonium ethyl methacrylate copolymer and 5W25wt% solubilizing agent, e.g. triacetin. The composition is capable of residing in administration sites, e.g. periodontal pockets, for a long time and exhibiting lasting effect without deteriorating the stability of the minocycline.

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